

## EAST Search History

| Ref # | Hits | Search Query  | DBs                                | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------------|------------------|---------|------------------|
| L5    | 62   | (US-20070176954-\$ or US-20070085891-\$ or US-20070076039-\$ or US-20070076038-\$ or US-20070046923-\$ or US-20060209114-\$ or US-20060146085-\$ or US-20060044380-\$ or US-20050219279-\$ or US-20050057597-\$ or US-20040165023-\$ or US-20040160467-\$ or US-20040150686-\$ or US-20040066426-\$ or US-20040061767-\$ or US-20030222932-\$ or US-20030179256-\$ or US-20030058295-\$ or US-20030048326-\$ or US-20030025922-\$ or US-20030016978-\$ or US-20020175966-\$ or US-20020135629-\$ or US-20020126192-\$ or US-20020126171-\$ or US-20020063871-\$).did. or (US-20020044290-\$ or US-20020008730-\$ or US-20010040598-\$).did. or (US-7417768-\$ or US-6714748-\$ or US-6485134-\$ or US-6464322-\$ or US-6439684-\$ or US-6357850-\$ or US-6137592-\$ or US-6106095-\$ or US-6076915-\$ or US-5831658-\$ or US-5674019-\$ or US-5327252-\$).did. or (EP-978390-\$ or EP-791472-\$ or EP-1447230-\$).did. or (JP-2007176166-\$ or JP-2006159726-\$ or JP-2005007817-\$ or JP-2002273956-\$).did. or (US-20080252676-\$ or US-20080252675-\$ or JP-2005330095-\$ or JP-2005313587-\$ or JP-2005103981-\$ or JP-2005088467-\$ or JP-2004223748-\$ or JP-2004017526-\$ or JP-2003165251-\$ or JP- | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR               | ON      | 2008/12/10 10:21 |

|     |    |   |                                  |    |    |                  |
|-----|----|---|----------------------------------|----|----|------------------|
|     |    | 2003025555-\$ or JP-2003011347-\$ or JP-2001091238-\$ or JP-07314788-\$ or EP-1980407-\$).did.  |                                  |    |    |                  |
| L6  | 25 | 5 and (new exchange\$4 chang\$4 replac\$4 load\$4) near4 (paper sheet medium substrate)   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/10 10:21 |
| L7  | 0  | 5 and (if when) with (new exchange\$4 chang\$4 replac\$4 load\$4) near4 (paper sheet medium substrate)  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/10 10:41 |
| L8  | 42 | (US-20040135833-\$ or US-20030048320-\$ or US-20030058295-\$ or US-20030025922-\$ or US-20020130915-\$ or US-20020126171-\$ or US-20020101598-\$ or US-20020063871-\$ or US-20020037191-\$ or US-20020186979-\$ or US-20060044380-\$ or US-20040160467-\$ or US-20030222932-\$ or US-20020175966-\$).did. or (US-7413276-\$ or US-7210758-\$ or US-6905186-\$ or US-6871931-\$ or US-6068362-\$ or US-6764157-\$ or US-6494558-\$ or US-5600350-\$ or US-7391525-\$ or US-6364549-\$ or US-6158344-\$ or US-4916638-\$ or US-4734868-\$ or US-7367731-\$ or US-6940618-\$ or US-6550884-\$ or US-6474765-\$ or US-6454474-\$ or US-6315382-\$ or US-5796414-\$ or US-6439684-\$ or US-6422678-\$ or US-6408156-\$ or US-6390587-\$ or US-6076915-\$ or US-6568784-\$).did. or (US-6179419-\$ or US-6619209-\$).did. | US-PGPUB; USPAT                  | OR | ON | 2008/12/10 10:42 |
| L9  | 0  | 8 and (if when) with (new exchange\$4 chang\$4 replac\$4 load\$4) near4 (paper sheet medium substrate)  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/10 10:42 |
| L10 | 0  | 8 and (if\$1 when\$1) with (new exchange\$4 chang\$4 replac\$4 load\$4) near4 (paper sheet medium substrate)  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/10 10:42 |

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| L11 | 211   | (if\$1 when\$1) with (new<br>exchang\$4 chang\$4 replac<br>\$4 load\$4) near4 (paper<br>sheet medium substrate)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/10<br>10:42 |
| L12 | 3     | ("347"/\$.ccls. "400"/\$.ccls.<br>"271"/\$.ccls.) and (if\$1<br>when\$1) with (new<br>exchang\$4 chang\$4 replac<br>\$4 load\$4) near4 (paper<br>sheet medium substrate)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/10<br>10:42 |
| L13 | 18495 | pattern same (new<br>exchang\$4 chang\$4 replac<br>\$4 load\$4) near4 (paper<br>sheet medium substrate)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/10<br>10:45 |
| L14 | 42425 | (pattern test patch) same<br>(new exchang\$4 chang\$4<br>replac\$4 load\$4) near4<br>(paper sheet medium<br>substrate)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/10<br>10:45 |
| L15 | 1387  | ("347"/\$.ccls. "400"/\$.ccls.<br>"271"/\$.ccls.) and (pattern<br>test patch) same (new<br>exchang\$4 chang\$4 replac<br>\$4 load\$4) near4 (paper<br>sheet medium substrate)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/10<br>10:46 |
| L16 | 249   | ("347"/\$.ccls. "400"/\$.ccls.<br>"271"/\$.ccls.) and (pattern<br>test patch) same (new<br>exchang\$4 chang\$4 replac<br>\$4 load\$4) near4 (paper<br>sheet medium substrate)<br>and (paper sheet medium<br>substrate) with (advance<br>carry\$4 convey\$4) with<br>(adjust\$4 correct\$4 fix\$4<br>registration amend\$4 align<br>\$4 remedy) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/10<br>10:48 |
| L17 | 1     | ("20010026293").PN.  | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2008/12/10<br>11:45 |
| L18 | 12    | ("4313124"   "4345262"  <br>"4459600"   "4463359"  <br>"4558333"   "4608577"  <br>"4723129"   "4740796"  <br>"5826133"   "6040923"  <br>"6097497"   "6201255").<br>PN.   | US-PGPUB;<br>USPAT; USOCR                 | OR | ON  | 2008/12/10<br>11:45 |
| L19 | 8     | ("6520614").URPN.  | USPAT                                     | OR | ON  | 2008/12/10<br>11:47 |

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| L20 | 387 | ("347"/\$.ccls. "400"/\$.ccls. "271"/\$.ccls.) and (media paper sheet substrate) near3 (sensor detector photodetect\$4).ab. and (paper sheet medium substrate) with (advance carry\$4 convey\$4) with (adjust\$4 correct\$4 fix\$4 registration amend\$4 align \$4 remedy) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/10 11:54 |
| L21 | 56  | ("347"/\$.ccls. "400"/\$.ccls. "271"/\$.ccls.) and (media paper sheet substrate) near3 (sensor detector photodetect\$4) same (properties characteristics). ab.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/10 12:07 |
| L22 | 14  | ("347"/\$.ccls. "400"/\$.ccls. "271"/\$.ccls.) and (media paper sheet substrate) near3 (sensor detector photodetect\$4) same (print \$4 record\$4) near3 (properties characteristics). ab.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/10 12:59 |
| S1  | 3   | 10/686772  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 13:36 |
| S2  | 10  | 347/16.ccls. and cyan with pattern   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 13:42 |
| S3  | 0   | 347/16.ccls. and (light adj magenta lm) with pattern   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 14:04 |
| S4  | 70  | 347/16.ccls. and (color colour) with pattern   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 14:04 |
| S5  | 26  | 347/16.ccls. and (color colour) with pattern same (sub adj scan\$4 feed\$4 convey\$4)  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 14:05 |
| S6  | 96  | 347/16,19,104.ccls. and (color colour) with pattern same (sub adj scan\$4 feed \$4 convey\$4) with pattern   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 14:12 |
| S7  | 145 | 347/16,19,104.ccls. and (test pattern) with (sub adj scan\$4 convey\$4 feed \$4) with (correct\$4 adjust \$4 registration)   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/03 14:37 |

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| S8  | 148   | 347/16,19,104.ccls. and (test pattern) with (sub adj scan\$4 convey\$4 feed\$4) with (correct\$4 adjust\$4 registration improv\$4)   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 14:37 |
| S9  | 16    | 347/16,19,104.ccls. and (sub adj scan\$4 convey\$4 feed\$4) with (correct\$4 adjust\$4 registration improv\$4).ti.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 14:42 |
| S10 | 5     | ((("5384584") or ("4916638") or ("5940093") or ("6109722") or ("6960037"))).PN.  | US-PGPUB; USPAT; USOCR           | OR | OFF | 2008/12/03 15:15 |
| S11 | 56949 | (media sheet paper substrate) near3 (advanc\$4 feed\$4 convey\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy)                         | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 15:30 |
| S12 | 6288  | (media sheet paper substrate) near3 (advanc\$4 feed\$4 convey\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy).clm.                    | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 15:31 |
| S13 | 615   | "347"/\$.ccls. and (media sheet paper substrate) near3 (advanc\$4 feed\$4 convey\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 15:34 |
| S14 | 410   | "400"/\$.ccls. and (media sheet paper substrate) near3 (advanc\$4 feed\$4 convey\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 15:34 |
| S15 | 1983  | "271"/\$.ccls. and (media sheet paper substrate) near3 (advanc\$4 feed\$4 convey\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 15:34 |

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| S16 | 2  | "271"/\$.cls. and (media sheet paper substrate) near3 (advanc\$4 feed\$4 convey\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy) with pattern. clm.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 15:34 |
| S17 | 47 | "347"/\$.cls. and (media sheet paper substrate) near3 (advanc\$4 feed\$4 convey\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy) with pattern. clm.   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/03 15:35 |
| S18 | 2  | ("5801722"   "6074054").PN.   | US-PGPUB; USPAT; USOCR           | OR | ON  | 2008/12/04 11:19 |
| S19 | 0  | ("6764157").URPN.   | USPAT                            | OR | ON  | 2008/12/04 11:20 |
| S20 | 3  | ("5796414"   "5835108"   "6161914").PN.   | US-PGPUB; USPAT; USOCR           | OR | ON  | 2008/12/04 11:20 |
| S21 | 1  | ("5600350").PN.   | US-PGPUB; USPAT; USOCR           | OR | OFF | 2008/12/04 11:24 |
| S22 | 79 | ("5600350").URPN.   | USPAT                            | OR | ON  | 2008/12/04 11:37 |
| S23 | 66 | ("20010004284"  <br>"20010038399"  <br>"20020003552"  <br>"20020021321"  <br>"20020037191"  <br>"20020063871"  <br>"20020101598"  <br>"20020118976"  <br>"20020126171"  <br>"20020130915"  <br>"20020135627"  <br>"20030025922"  <br>"20030043250"  <br>"20030058295"  <br>"4533269"   "4734686"  <br>"4916638"   "5250956"  <br>"5416613"   "5462371"  <br>"5563717"   "5598201"  <br>"5600350"   "5644344"  <br>"5732162"   "5806430"  <br>"5813771"   "5825378"  <br>"5835108"   "5874205"  <br>"5889534"   "5975674"  <br>"5995713"   "6017114"  <br>"6017160"   "6030066"  <br>"6076915"   "6099178"  <br>"6109722"   "6126345"  <br>"6128097"   "6137592"  <br>"6158344"   "6171751"  <br>"6179402"   "6234602" | US-PGPUB; USPAT; USOCR           | OR | ON  | 2008/12/04 11:37 |

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|     |    | "6256474"   "6290320"  <br>"6312082"   "6312098"  <br>"6331038"   "6345877"  <br>"6357850"   "6357942"  <br>"6364549"   "6371593"  <br>"6377758"   "6390587"  <br>"6390588"   "6404511"  <br>"6412907"   "6428224"  <br>"6454474"   "6459509"  <br>"6494558"   "6538779").<br>PN. |   |    |     |                     |
| S24 | 3  | ("2003/0058295").URPN.  | USPAT                                     | OR | ON  | 2008/12/04<br>11:38 |
| S25 | 4  | ("2002/0037191").URPN.  | USPAT                                     | OR | ON  | 2008/12/04<br>11:57 |
| S26 | 1  | ("6364549").PN.   | US-PGPUB;<br>USPAT; USOCR                 | OR | OFF | 2008/12/04<br>11:58 |
| S27 | 15 | ("4734868"   "4844317"  <br>"4916638"   "5351068"  <br>"5488396"   "5529414"  <br>"5598201"   "5600350"  <br>"5825378"   "6016207"  <br>"6017114"   "6017160"  <br>"6128097"   "6137592"  <br>"6158344").PN.  | US-PGPUB;<br>USPAT; USOCR                 | OR | ON  | 2008/12/04<br>11:59 |
| S28 | 4  | ("4485982"   "4734868"  <br>"4916638"   "5806430").<br>PN.  | US-PGPUB;<br>USPAT; USOCR                 | OR | ON  | 2008/12/04<br>12:03 |
| S29 | 17 | ("6158344").URPN.   | USPAT                                     | OR | ON  | 2008/12/04<br>12:03 |
| S30 | 4  | ("4485982"   "4734868"  <br>"4916638"   "5806430").<br>PN.  | US-PGPUB;<br>USPAT; USOCR                 | OR | ON  | 2008/12/04<br>12:07 |
| S31 | 17 | ("6158344").URPN.   | USPAT                                     | OR | ON  | 2008/12/04<br>12:07 |
| S32 | 26 | 347/16,101,104.ccls. and<br>(chang\$4 exchang\$4<br>different) near4 (medium<br>paper sheet substrate)<br>same (feed convey\$4<br>advanc\$4 sub adj scan\$4)<br>with pattern  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/05<br>10:09 |
| S33 | 29 | 347/16,101,104.ccls. and<br>(chang\$4 exchang\$4<br>different) near4 (medium<br>paper sheet substrate)<br>same (feed convey\$4<br>advanc\$4 sub adj scan\$4)<br>with (pattern test)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO | OR | ON  | 2008/12/05<br>10:09 |

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| S34 | 35    | (US-20040135833-\$ or US-20030048320-\$ or US-20030058295-\$ or US-20030025922-\$ or US-20020130915-\$ or US-20020126171-\$ or US-20020101598-\$ or US-20020063871-\$ or US-20020037191-\$).did. or (US-7413276-\$ or US-7210758-\$ or US-6905186-\$ or US-6871931-\$ or US-6068362-\$ or US-6764157-\$ or US-6494558-\$ or US-5600350-\$ or US-7391525-\$ or US-6364549-\$ or US-6158344-\$ or US-4916638-\$ or US-4734868-\$ or US-7367731-\$ or US-6940618-\$ or US-6550884-\$ or US-6474765-\$ or US-6454474-\$ or US-6315382-\$ or US-5796414-\$ or US-6439684-\$ or US-6422678-\$ or US-6408156-\$ or US-6390587-\$ or US-6076915-\$ or US-6568784-\$).did. | US-PGPUB; USPAT                  | OR | ON | 2008/12/08 12:52 |
| S35 | 16    | S34 and (average mean)  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 12:53 |
| S36 | 57240 | (media paper sheet substrate) near3 (convey \$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust \$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter)  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 13:01 |
| S37 | 8935  | (media paper sheet substrate) near3 (convey \$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust \$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens \$4) with (media paper sheet substrate)   | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 13:03 |
| S38 | 953   | (media paper sheet substrate) near3 (convey \$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust \$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens \$4) with (media paper sheet substrate).clm.  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 13:04 |



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| S39 | 103 | "347"/\$.ccls. and (media paper sheet substrate) near3 (convey\$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens\$4) with (media paper sheet substrate).clm.                            | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/08 13:05 |
| S40 | 7   | "347"/\$.ccls. and (media paper sheet substrate) near3 (convey\$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens\$4) with (media paper sheet substrate) with (type thickness).clm.      | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/08 13:08 |
| S41 | 22  | ("4147339"   "4207579"   "4447817"   "4660752"   "4682904"   "4821049"   "4843338"   "5080666"   "5096044"   "5270738"   "5276970"   "5342133"   "5345863"   "5393151"   "5419644"   "5513458"   "5593240"   "5802422"   "5873315"   "5875380"   "5950051"   "5995802").PN. | US-PGPUB; USPAT; USOCR           | OR | ON  | 2008/12/08 13:09 |
| S42 | 70  | (media paper sheet substrate) near3 (convey\$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens\$4) with (media paper sheet substrate) with (type thickness).clm.                         | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON  | 2008/12/08 13:12 |
| S43 | 1   | ("6718145").PN.   | US-PGPUB; USPAT; USOCR           | OR | OFF | 2008/12/08 13:15 |
| S44 | 1   | ("20020186979").PN.   | US-PGPUB; USPAT; USOCR           | OR | OFF | 2008/12/08 13:15 |

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| S45 | 62 | (media paper sheet substrate) near3 (convey\$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens\$4) with (media paper sheet substrate) with (different).clm.                                    | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 14:55 |
| S46 | 6  | ("20020177918"   "20020178952"   "3915090"   "4553478"   "5384592"   "5802974"). PN.  | US-PGPUB; USPAT; USOCR           | OR | ON | 2008/12/08 14:57 |
| S47 | 33 | "400"/\$.ccls. and (media paper sheet substrate) near3 (convey\$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens\$4) with (media paper sheet substrate) with (different)                      | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 15:00 |
| S48 | 41 | "400"/\$.ccls. and (media paper sheet substrate) near3 (convey\$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens\$4) with (media paper sheet substrate roll) with (different new exchang\$4)  | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 15:01 |
| S49 | 82 | "400"/\$.ccls. and (media paper sheet substrate) near3 (convey\$4 feed\$4 advanc\$4) with (correct\$4 improv\$4 adjust\$4 regulat\$4 align\$4 fix fixing amend\$4 remedy alter) same (detect\$4 sens\$4) with (media paper sheet substrate roll) with (different new \$2chang\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/12/08 15:01 |

12/10/2008 2:04:33 PM

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